



SERVICE MANUAL

XT 200 (With Alatech electronics)

XT 600 (With Alatech electronics)

XT 800 (With Alatech electronics)

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Troubleshooting Guide

ELECTRONIC SYSTEM

No power

There is no power to the console.

1. Unit must be plugged into an outlet with power
 2. Power switch must be illuminated
 3. Tether cord must be in place
 4. Check treadmill circuit breaker. **(procedure 4)**
 5. Check "POWER" LED on controller. **(procedure 11)**
 6. Make sure wires on board are plugged in securely.
 7. Check wire harness for continuity. **(procedure 2)**
 8. If LED's on controller are **not** lit, test fuse on controller. If fuse is good, replace controller. **(procedure 7)**
 9. If LED's are on, replace console.
-

LS error

Belt movement for a few seconds then LS error

1. Run the calibration procedure. **(procedure 1)**
 2. Adjust speed sensor. **(procedure 3)**
 3. Check roller for magnet **(Procedure 5)**
 4. Check wire harness for continuity. **(procedure 2)**
 5. If roller has a magnet and sensor adjustment does not fix, replace speed sensor.
-

LS error

No belt movement at all then LS error

1. Run the calibration procedure. **(procedure 1)**
 2. Check wire harness for continuity. **(procedure 2)**
 3. Look at LED labeled "PWM". **(procedure 11)**
 - If it lights up when the START button is pressed, replace the controller.
 - If it does not light when the START button is pressed, replace the console.
-

Incline does not work

1. Run the calibration procedure. **(procedure 1)**
 2. Check wire harness for continuity. **(procedure 2)**
 3. If there is an ERR message in the incline window, make sure that all the wires from the incline motor are connected to the controller correctly **(procedure 12)**. If they are connected correctly, and the calibration does not fix, replace the incline motor. **(procedure 10)**
 4. When the UP and DOWN buttons are pressed, there should be a "beep" and a number change in the incline window. If there isn't, replace the console.
 5. Observe the UP and DOWN diagnostic lights on the controller **(procedure 11)**. When the UP or DOWN buttons are pressed, you should (1) see one of the lights come on and (2) hear a relay click.
 - If there is no relay click and no diagnostic lights, replace console, lower and middle wire harness **(procedure 8)**, and controller **(procedure 7)**.
 - If there is a relay click and a diagnostic light and motor wires are connected correctly, replaced incline motor
-

Belt surging

Belt speeds up and slows down frequently

1. Adjust torque boost **(procedure 6)**
2. Adjust speed sensor **(procedure 3)**
3. Replace controller **(procedure 7)**

Troubleshooting Guide

MECHANICAL SYSTEM

Belt noise

1. Check belt to see if it needs to be tracked.
2. Take off motor hood to make sure noise is from belt.
3. Check belt and deck for damage.
4. Clean deck and re-lube.

Drive motor noise

1. Check wires around motor for rubbing.
2. Remove, clean, and re-insert the motor brushes
3. Replace motor. (**procedure 9**)

Deck noise

Squeaking or creaking while walking

1. Tighten deck bolts
2. Clean and re-lube deck

Repair Procedures

PROCEDURE 1: Calibrating the unit

- 1.1 Remove tether cord.
- 1.2 Press and hold the START and FAST buttons. Replaced the tether cord while maintaining the buttons. Display will show “FACTORY SETTING”. Press ENTER.
- 1.3 Units English / Metric. Press UP or DOWN to change. Press ENTER.
- 1.4 Adjust wheel diameter using UP or DOWN. Should be 2.810 for XT200 & XT600
3.060 for XT800. Press ENTER.
- 1.5 Adjust minimum speed to 0.5 using UP and DOWN. Press ENTER.
- 1.6 Adjust maximum speed to 12 using UP and DOWN. Press ENTER.
- 1.7 Adjust maximum elevation to 15 using UP and DOWN.
- 1.8 Press START to begin calibration. DO NOT STAND ON BELT DURING CALIBRATION.

PROCEDURE 2: Checking wire harness for continuity

- 2.1 Set your multimeter to read ohms.
- 2.2 Place the test leads at opposite ends of the wire, make sure both leads are on the same wire and are in contact with metal.
- 2.3 If the reading is close to 0 ohms, the wire has continuity (unbroken).
- 2.4 If the reading is very high or there is no reading at all, there is no continuity.
- 2.5 If there is no continuity, the harness needs to be replaced.

PROCEDURE 3: Speed sensor adjustment

- 3.1 Take off the motor hood.
- 3.2 The speed sensor is located on the frame, near where the drive belt goes around the front roller.
- 3.3 The sensor should be adjusted to about 1/16th of an inch from the front roller.



PROCEDURE 4: Checking treadmill circuit breaker

- 4:1 The circuit breaker is a small, red button between the power cord and the power switch.
- 4.2 Press the button in to reset.

PROCEDURE 5: Check roller for magnet

- 5.1 The front roller should have a round magnet and a round counter weight.
- 5.2 Take a screw or something metallic and test each one.
- 5.3 Only one should be magnetic.

PROCEDURE 6: Adjust Torque Boost

- 6.1 Using a small screw driver, turn the dial counter clockwise until it stops.
- 6.2 Press the START button on the console.
- 6.3 With someone standing on the walking belt, turn clockwise until the belt begins to move.
- 6.4 Increase the speed and check for smooth belt movement.

(See PROCEDURE 11 for location of Torque Boost)

PROCEDURE 7: Replacing controller

- 7.1 Disconnect power cord from unit.
- 7.2 Remove motor hood.
- 7.3 Remove two Phillips screws holding in the controller.
- 7.4 Disconnect all wires connected to the controller.
- 7.5 Insert new controller, secure with Phillips screws.
- 7.6 Reconnect wires to controller. *(See Procedure 12)*

PROCEDURE 8: Replacing wire harness

- 8.1 Turn power switch off.
- 8.2 Unplug harness from console and controller.
- 8.3 Tie the end of the new harness to the old harness (with a zip-tie or spare wire).
- 8.4 As you pull the old harness out of the upright, you will pull the new harness in.
- 8.5 Connect to board and console, & turn power back on.

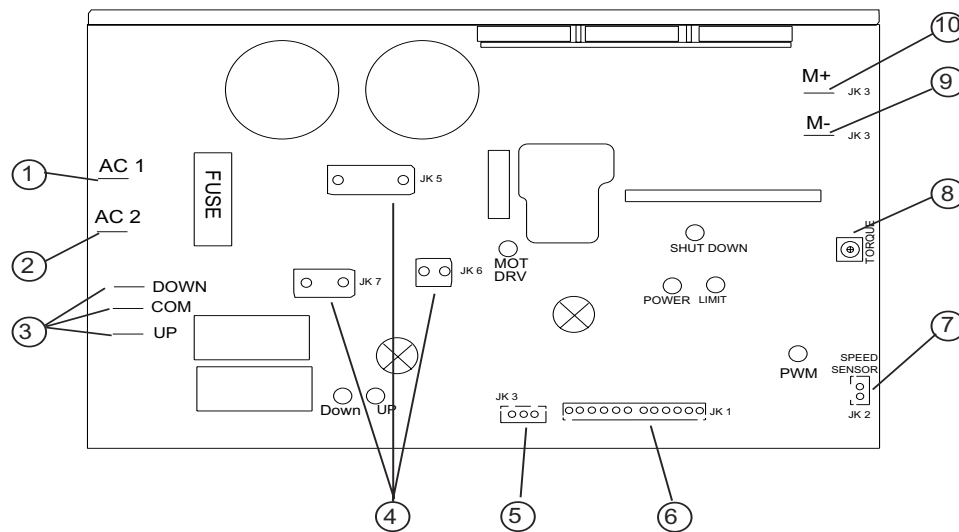
PROCEDURE 9: Replacing drive motor

- 9.1 Turn power switch off.
- 9.2 Disconnect red and black motor wires from controller.
- 9.3 Loosen tension bolt and remove four motor bolts.
- 9.4 Take off drive belt.
- 9.5 Insert new motor into place.
- 9.6 Put drive belt on.
- 9.7 Put in four motor bolts. Do not tighten them all the way down.
- 9.8 Tighten the tension bolt until you only have about an inch of play in the drive belt.
- 9.9 Tighten down the four motor bolts.
- 9.10 Plug the motor wires into the controller.

PROCEDURE 10: Replacing incline motor

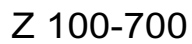
- 10.1 Turn power switch off.
- 10.2 If possible, fold up unit.
- 10.3 Turn treadmill onto its side.
- 10.4 Disconnect motor wires from controller.
- 10.5 Remove bolt from incline tube.
- 10.6 Remove bolt from top of incline motor and take out motor.
- 10.7 Insert new motor and put in bolt on the top.
- 10.8 Reconnect motor wires to controller.
- 10.9 Turn on unit. The new motor should turn until it is at “zero”.
- 10.10 Insert bolt into incline tube.

PROCEDURE 11: Controller diagram



- 1) AC1 : White wire from power switch
- 2) AC2 : Black wire from power switch
- 3) Incline Motor Connection :
 - Down- Black wire to inc mtr.
 - Com- White wire to inc mtr.
 - Up- Red wire to inc mtr.
- 4) Transformer Connections :
 - JK5- Black,Black
 - JK6- Blue, Blue
 - JK7- Red, Red
- 5) Incline Potentiometer (VR)
- 6) Lower Wiring Harness Connection
- 7) Speed Sensor Connection
- 8) Torque Boost Adjustment - Adjust at lower speeds to eliminate motor surging
- 9) Motor Connection M- : Black motor wire
- 10) Motor Connection M+ : Red motor wire

PROCEDURE 12: Wiring diagram



PROCEDURE 13: Engineering mode

1. Remove the tether cord.
2. Press and hold the START, ENTER, and STOP buttons and replaced the tether cord.
3. The display will say ENGINEERING MODE. Press ENTER.
4. Press the UP and DOWN buttons to scroll through the following sub menus:
 - Calibration
 - Factory Settings
 - Security
 - Functions
 - Display Test
 - Key Test
5. Press ENTER to access the desired program.

-Calibration

Speed Calibration – In this mode, you can test the speed.

Incline Calibration – In this mode, you can test the incline.

-Factory Settings

This mode will allow you to view the Wheel size, Max inc, Max and Min speed.

Use the UP and DOWN buttons to scroll through. (They cannot be changed here)

-Security

Child Lock On/Off

Press ENTER to turn on or off. To unlock display, press START and ENTER.

-Functions

Sleep Mode On/Off. Press ENTER to turn on or off.

Units English/Metric. Press ENTER to change.

Maintenance

Lube Message Reset. Press ENTER to reset.

Odometer Reset. Press ENTER to reset.

Pause Mode On/Off. Press ENTER to turn on or off.

-Display Test

Test all LED's

-Key Test

Test all buttons on console.

CONTACTING CUSTOMER SERVICE

It is the responsibility of the Dealer to assemble and setup any Spirit product they have sold, as well as diagnose problems and perform service, regardless of the product's location. Recognizing the importance of insuring the consumer's satisfaction, Spirit technical support will always be available to assist the Dealer in diagnosing a problem. All warranties are valid from the original date of purchase by the original purchaser.

PARTS ORDERS

Fax 870-930-9013

Fax your order using a completed parts purchase order to (870) 930-9013. Please do not call to place your parts orders, fax only. Service technicians are available to assist in the repair of treadmills. If taking parts orders by telephone, customer service calls will go unanswered.

Standard shipping is UPS ground. If you need an order shipped by another method, you must pay for shipping.

CUSTOMER SERVICE

Call 800-258-4555

Calling from Store Location

Dial 1 to reach the first available technician, or select the extension number for one technician. ***You must have the serial number of the machine.***

Eddie Greene, Customer Service Supervisor ext. 630

Jerry Savage, Customer Support ext. 632

Travis Lawrence, Customer Support ext. 633

Kevin Thomas, Customer Support ext. 628

If the technician you choose is unavailable, leave a detailed message. Leave only one message. Do not call another extension. Do not leave multiple messages. This results in a duplication of effort and keeps our technicians from assisting you and other customers in a prompt manner.

Calling from Customer Location

Dial 0 for an operator. Relay to the operator you are a dealer and in a customer's home. You will be assisted by the first available technician.

TREADMILL WARRANTY

Spirit Manufacturing Inc. warrants all its treadmills' parts for a period of 5 years from the date of retail sale, as determined by sale receipt, or eighteen (18) months from the original factory shipping date, whichever comes first. Spirit's responsibilities include providing new or remanufactured parts, at Spirit's option, and technical support to our independent dealers and servicing organizations. In the absence of a dealer or service organization, these warranties will be administered by Spirit directly to a consumer. An extended warranty period applies to the following components:

XT200 - XT600 - XT800
(Home Warranty)
Frame _____ Lifetime
Motor _____ Lifetime
All Parts _____ 5 Years
Labor _____ 2 Years

XT800
(Commercial Warranty)
Frame _____ Lifetime
Parts _____ 3 Years
Labor _____ 1 Year

WARRANTY POLICY

Parts Returns

It is very important that you have not only the model number but also the serial number on hand when placing a parts order. If a serial number is provided at the time a warranty parts order is placed the required parts will be sent to you at no charge. If the unit is no longer covered under warranty the parts will be billed to you on 30 day payment terms.

If a warranty replacement part is required to be returned to Spirit it will be noted on the packing list included in your shipment. Also noted on the packing list will be the amount you will be invoiced if the parts are not returned within 30 days.

Parts Required to be Returned for Credit

Upper and Lower Electronics - All STS / SC / SL / Inspire / Z / XT Series

Paperwork Requirement: A copy of your invoice or packing list and diagnostic form (if included with replacement part) must be returned with the defective part to receive warranty consideration.

Warranty Labor Reimbursement Procedure

Complete Request for Warranty Labor Credit Form.

Fax completed form to Terry Jordan at (870) 930-9013.

Once Spirit has received your returned parts, your request will be processed and returned by fax to you.

What is Not Covered

- 1) Failures created due to improper installation or maintenance.
- 2) Repairs requiring only simple adjustments, fuses, or calibrations.
- 3) Damages sustained from shipping - Freight claim must be filed with your carrier.
- 4) Repairs that are made beyond the warranty period.
- 5) Repairs where the customer is paying the base labor fee to the dealer.
- 6) Units that are dealer stock or floor models.
- 7) Trips for diagnostic visit.
- 8) Residential units in a commercial setting.

Credit will not be issued for repairs in which:

- 1) Parts required for return are not returned to Spirit within 30 days.
- 2) All paperwork is not completed or returned.
- 3) Spirit confirms that work was not completed.

Warranty Labor Reimbursement Policy

Spirit has established a set of guidelines that are fair to both independent service companies and to Spirit. Our policy on labor warranty reimbursement is simple...we pay a one time flat completion fee of \$80 per service occurrence. Once all work required to complete the repair has been finished and all parts required for return have been returned to Spirit either credit or payment in the amount of \$80 will be issued to your company. The one-time flat completion fee of \$80 will be paid only when the repair is complete and the unit has been returned to proper working condition. If your company needs consideration for labor or trip fees that are higher than Spirit's standard fees, they will be evaluated on a case-by-case basis. (e.g. - travel to perform service work in Manhattan). Any change in the fee schedule must be approved in writing by Spirit before any work is performed.

For Dealers That Wish To Use Third Party Service

It is Spirit's policy that all dealers service products that they sell to end users. If your company chooses to use an independent company for service, you are responsible for all service work. Our labor reimbursement policies apply in every case and any charges in excess of Spirit's one time flat completion fee will be billed back to the selling dealer. In certain circumstances, we will work directly with an independent service company, but we will not pay for any service that deviates from our policy for dealers wishing to have this arrangement. Dealers will be responsible to the service company for all charges disallowed by Spirit. Any deviation from Spirit policy must be approved in advance in writing.

PARTS PURCHASE ORDER

Fax to: **870-930-9013**

Attention: _____

Fill in completely for processing.

All orders are shipped F.O.B. Spirit Mfg., Jonesboro, Arkansas.

Dealer Name		Account No.		Ship to		
Street & No.				Street & No.		
City		State		Zip		
Phone Number		Fax Number		Phone Number		Fax Number

[illegible]

Order Completion - Orders must be signed!

If a part is not accompanied by a serial number, it will be assumed that the part order is for stock. We encourage all dealers to stock parts. Spirit will always be fair to all dealers on credit for parts. Spirit reserves the right to subject parts returns to a 20% restocking fee if Spirit determines that the dealer has excessively ordered parts randomly to repair a problem.

Buyer Signature _____ Date _____

Shipping Instructions: (All orders will be shipped via ground delivery unless otherwise indicated.) **Buyer will be responsible for all expedited shipping charges.**

Special Instructions: 2nd Day Air

Next Day Air _____

Saturday Delivery_____

Initial Your Special Shipping Instructions Here

(Orders for expedited shipping without initials will be shipped via ground delivery.)

REQUEST FOR WARRANTY LABOR CREDIT



P.O. BOX 2037 ■ JONESBORO, ARKANSAS 72402

Labor Warranty	<input type="checkbox"/> Spirit is responsible
	<input type="checkbox"/> Customer is responsible

Date of Repair	Model#	Serial Number	
Service Company	Svc CoAcct Number	Owner's Name	
		Owner's Address	
Selling Dealer Number	Selling Dir Acct	Phone Number With Area Code	Date Sold
Problem			

Repair Done

				FACTORY USE ONLY			
QUANTITY	PART NUMBER	PART DESCRIPTION	WTY	TEST RESULTS	UNIT PRICE	WORK ORDER	INVOICE

FACTORY USE ONLY		
		FREIGHT:
LABOR		SHIPPING:
TRIP		WARRANTY CREDIT WILL BE ISSUED TO DEALER ACCOUNT.
TOTAL LABOR		

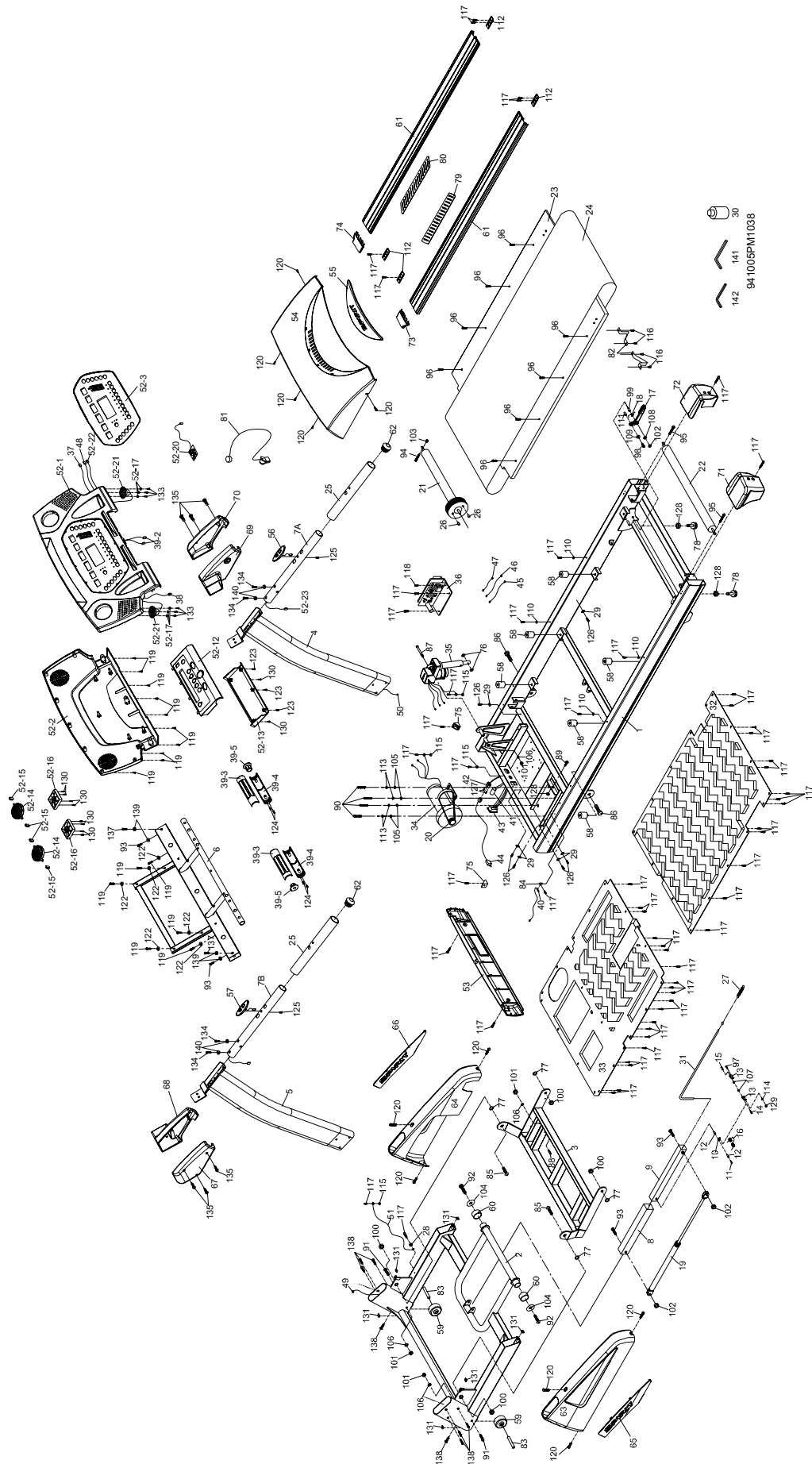
ALL PARTS MUST BE RETURNED TO FACTORY UNLESS INSTRUCTED OTHERWISE.

CLAIMS MUST BE RETURNED TO SPIRIT CORP. WITHIN 7 DAYS OF REPAIR.

SHADED AREAS FACTORY USE ONLY

Authorization No. _____
WARRANTY ADMINISTRATOR

FAX TO SPIRIT (870) 930-9013



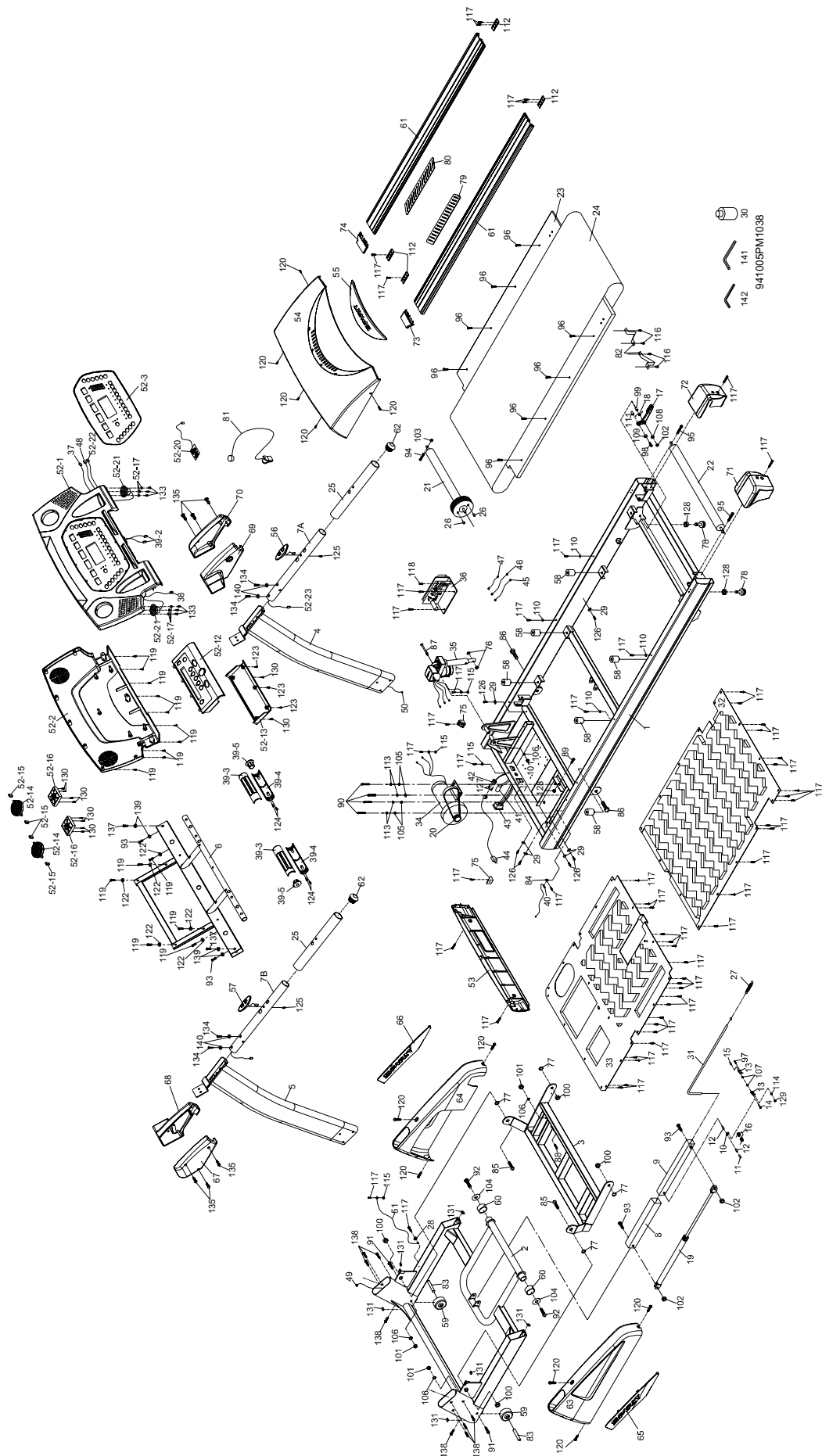
XT200-D81 Parts List

NO.	DESCRIPTION	PART #	O'TY
1	MAIN FRAME		1
2	FRAME BASE		1
3	INCLINE BRACKET	000561	1
4	RIGHT HANDRAIL	000547	1
5	LEFT HANDRAIL	000548	1
6	CONSOLE SUPPORT	000897	1
7A	LEFT HANDPULSE TUBE ASSY. (Handgrip)	000551	1
7B	RIGHT HANDPULSE TUBE ASSY. (Handgrip)	000552	1
8	OUTER SLIDE		1
9	INNER SLIDE		1
10	2T LINK		1
11	~ 8 x30L LINK SHAFT		1
12	~ 8 x~ 12.7 x 11.5L SHAFT BUSHING		2
13	2T FASTENING BRACKET		2
14	~ 5 x~ 8 x 25L CLEVIS PIN		1
15	~ 5 x~ 8 x 9L FASTENING BUSHING		1
16	~ 1.0 DUAL ROTA-SPRING		1
17	CLENCHING HANDLE	000506	1
17	LOCKING CABLE ASSY.	000563	1
18	CHENCHING ROTA-SPRING	000865	1
19	CYLINDER - 900N	022554	1
20	DRIVE BELT - 240J/610J	022553	1
21	FRONT ROLLER W/ PULLEY	000497	1
22	REAR ROLLER	000498	1
23	RUNNING DECK	000488	1
24	RUNNING BELT	000493	1
25	HANDGRIP FOAM	000550	2
26	MAGNET	000507	2
27	STEEL ROPE ROTA-SPRING	010026	1
28	WIRE CLAMP		1
29	WIRE TIE MOUNT	010083	6
30	LUBRICANT	022271	1
31	STEEL ROPE		1
32	TOP FRAME COVER	000571	1
33	BOTTOM FRAME COVER	000572	1
34	MOTOR, 3.0hp TUR-YIH (serial #s 1-1116)	000533	1
34	MOTOR, 3.0hp YC (starting w/ serial 1117+)	000602	1
35	INCLINE MOTOR	022696	1
36	CONTROLLER Starting w/ Serial # 1783 = 022670 Alatech	000479 DCI	1
37	550 m/m SPEED CABLE	000517	1
38	550 m/m INCLINE CABLE	000516	1
39	HANDPULSE ASSY.	022672	2
39~2	650 m/m HANDPULSE CABLE	022756	1
39~3	HANDPULSE ASSEMBLY TOP	022757	2
39~4	HANDPULSE ASSEMBLY BOTTOM	022758	2
39~5	HANDLE BAR END CAP	022759	2
40	SENSOR W/CABLE	022561	1

41	BREAKER	022448	1
42	POWER SOCKET	022658	1
43	ON / OFF SWITCH	022476	1
44	POWER CORD	022812	1
45	100mm x 764 x 764 CONNECTING CABLE(BLACK)		1
46	300mm x 764 x 764 CONNECTING CABLE (WHITE)		1
47	300mm x 764 x 764 CONNECTING CABLE(BLACK)		1
48	700 m/m COMPUTER CABLE (UPPER)	000520	1
49	1200 m/m COMPUTER CABLE (LOWER)	000576	1
50	1200 m/m COMPUTER CABLE (MIDDLE)	000575	1
51	1000m/m GROUND WIRE		1
52	CONSOLE Starting w/ Serial # 1783 = 000478 Alatech	000475 DCI	1
52~1	TOP CONSOLE COVER	000535	1
52~2	BOTTOM CONSOLE COVER	000470	1
52~3	FACE PLATE LENS	000528	1
52~12	FRONT CONSOLE COVER (TOP)	000569	1
52~13	FRONT CONSOLE COVER (BOTTOM)	000570	1
52~14	DEFLECTOR FAN GRILL	000509	2
52~15	FAN GRILL ANCHOR	000807	4
52~16	FAN MOTOR	000808	2
52~17	~ 12 x 5.5T PLASTIC WASHER		6
52~20	AUDIO CABLE - AMP INPUT JACK HARNESS	000565	1
52~21	SPEAKER	000568	2
52~23	700m/m RECEIVER CABLE (UPPER)		1
52~24	500m/m RECEIVER CABLE (LOWER)		1
52~32	FAN SWITCH	023099	1
53	FRONT MOTOR COVER	000508	1
54	TOP MOTOR COVER	000504	1
55	TOP MOTOR COVER PLATE	000524	1
56	SPEED ADJUSTMENT SWITCH W/CABLE	022558	1
57	INCLINE ADJUSTMENT SWITCH W/CABLE	022559	1
58	M8 x ~ 30 x 35 CUSHION (Softer Cushion - 030060)	022482	6
59	WHEEL(A)	022479	2
60	WHEEL(B)	000127	2
61	FOOT RAIL (ALUMINUM)	000530	2
62	~ 38 BUTTON HEAD END CAP	022024	2
63	FRAME BASE CAP (L)	000473	1
64	FRAME BASE CAP (R)	000474	1
65	PLASTIC PLATE OF FRAME BASE CAP (L)	000526	1
66	PLASTIC PLATE OF FRAME BASE CAP (R)	000527	1
67	LEFT HANDGRIP SIDE CAP (LL)	000480	1
68	LEFT HANDGRIP SIDE CAP (LR)	000465	1
69	RIGHT HANDGRIP SIDE CAP (RL)	000466	1
70	RIGHT HANDGRIP SIDE CAP (RR)	000483	1
71	REAR ADJUSTMENT BASE (L)	000468	1
72	REAR ADJUSTMENT BASE (R)	000469	1
73	FOOT RAIL CAP (L)	000603	1
74	FOOT RAIL CAP (R)	000604	1
75	MOTOR COVER ANCHOR	022484	2

76	~ 10 x ~ 24 x 3T NYLON WASHER (A)		2
77	~ 50 x ~ 13 x 3T NYLON WASHER (B)		4
78	~ 30 x 3/8" FOOT PAD	022713	2
79	NON-SLIP RUBBER(L)	000313	1
79A	NON-SLIP RUBBER		4
80	NON-SLIP RUBBER(R)	000314	1
81	SAFETY KEY	022497	1
82	BELT GUIDE	00595	2
83	~ 14 x ~ 10 x 35 WHEEL SLEEVE	023101	2
84	SENSOR RACK	022989	1
85	1/2" x 1-1/4" CARRIAGE BOLT		2
86	1/2" x 1" HEX HEAD SCREW		2
87	3/8" x 4-1/2" SOCKET HEAD CAP SCREW	000580	1
88	3/8" x 3-3/4" HEX HEAD SCREW		1
89	3/8" x 1-1/2" HEX HEAD SCREW	000062	1
90	3/8" x 1" HEX HEAD SCREW	000061	4
91	3/8" x 2" THUMB HEAD SOCKET SCREW	010119	2
92	5/16" x 1" BUTTON HEAD SOCKET SCREW	022389	2
93	5/16" x 2-3/4" BUTTON HEAD SOCKET SCREW		4
94	M8 x 60m/m HEX HEAD SCREW		1
95	M8 x 80m/m SOCKET HEAD CAP SCREW		2
96	M8 x 30m/m FLAT HEAD COUNTERSINK SCREW		8
97	M3 x 10m/m TAPPING SCREW	010115	1
98	M5 x 15m/m TAPPING SCREW		1
99	5/16" x 42 m/m BUTTON HEAD SOCKET SCREW		1
100	1/2" x 8T NYLON NUT	023102	4
101	3/8" x 7T NYLON NUT	000080	4
102	5/16" x 6T NYLON NUT	030039	3
103	M8 x 8T NYLON NUT		1
104	~ 35 x ~ 5/16" x 1.5T FLAT WASHER	010099	2
105	~ 25 x ~ 10 x 1.5T FLAT WASHER		4
106	~ 19 x ~ 10 x 1.5T FLAT WASHER		4
107	~ 5 x ~ 10 x 1.0T FLAT WASHER		2
108	~ 5/16" x ~ 18 x 1.5T FLAT WASHER	000077	1
109	~ 5 x ~ 12 x 1.0T FLAT WASHER		1
110	~ 6 x ~ 23 x 13 x 5.5T x 3T NYLON DISHED WASHER		4
111	M5 NYLON NUT		1
112	~ 6.5 x ~ 25 x 1.5T x 2.5H CONCAVE WASHER		4
113	~ 10 SPRING WASHER		4
114	M3 SPRING WASHER		1
115	M5 RAISED WASHER		5
116	4x12m/m SELF TAPPING SCREW	000070	4
117	5x16m/m TAPPING SCREW	010110	59
118	5x19m/m TAPPING SCREW	010125	1
119	3.5x12m/m SELF TAPPING SCREW	010113	16
120	5 x 16m/m TAPPING SCREW	010150	11
122	~ 4 x ~ 14 x 1.0T FLAT WASHER	000915	6
123	3.5x25mm SELF TAPPING SCREW	022847	3

124	3x10 m/m TAPPING SCREW	010115	4
125	4x38m/m SELF TAPPING SCREW	000325	2
126	3.5 x 16 m/m TAPPING SCREW		6
127	3 x 10 m/m SELF TAPPING SCREW	010115	2
128	3/8" x 6.5T NUT (for Foot Pad)	010125	3
129	M3 NUT		1
130	3.5 x 32m/m SELF TAPPING SCREW	000914	10
131	M5 IRON PLATE NUT	010109	6
132	2.3 x 6m/m SELF TAPPING SCREW	023015	43
133	3x 8m/m SELF TAPPING SCREW		6
134	5/16" x 2" BUTTON HEAD SOCKET SCREW		4
135	3.5x40 m/m SELF TAPPING SCREW	000462	6
137	5/16" x 1-1/2" BUTTON HEAD SOCKET SCREW	000064	2
138	5/16" x 15m/m BUTTON HEAD SOCKET SCREW	022707	8
139	~ 8 x 23 x 1.5T FLAT WASHER		4
140	~ 8 x 23 x 1.5T CURVED WASHER	000074	4
141	COMBINATION M5 ALLEN WRENCH & SCREWDRIVER	000089	1
142	M6 ALLEN WRENCH	022973	1
144	3.5x 6m/m SELF TAPPING SCREW		2
145	~8 RAISED WASHER		4
	HEART RATE RECEIVER BOARD	000476	1
	PULSE GRIP BOARD (HANDPULSE)	000945	1
	CONSOLE STICKER	000463	1
	HARDWARE KIT	000558	1
	OVERLAY	000513	1
	DECAL (SIDE)	000510	2



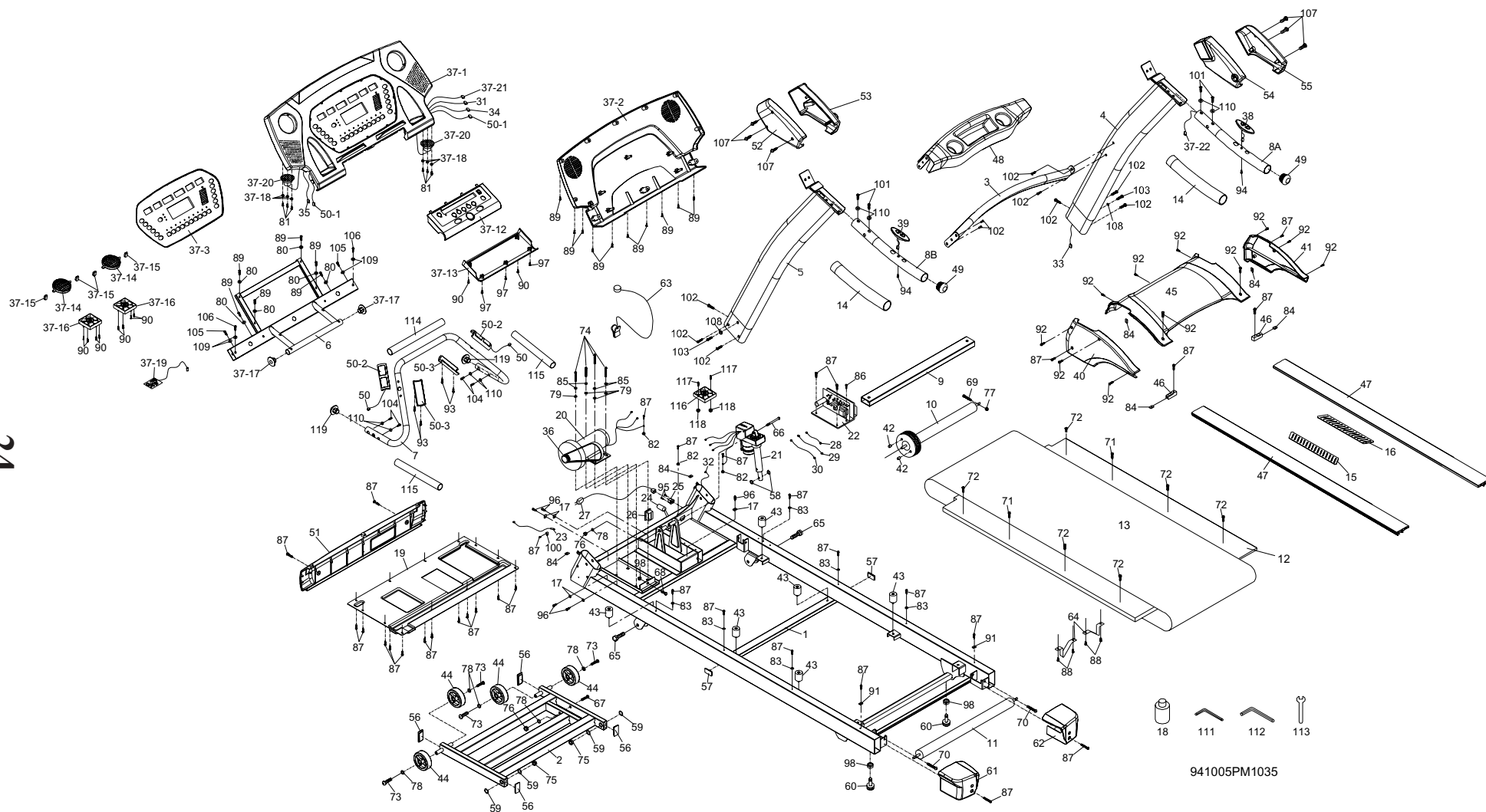
XT600-D82 Parts List

NO.	DESCRIPTION	PART #	O'TY
1	MAIN FRAME		1
2	FRAME BASE		1
3	INCLINE BRACKET	000561	1
4	RIGHT HANDRAIL ASSY.	000547	1
5	LEFT HANDRAIL ASSY.	000548	1
6	CONSOLE SUPPORT	000897	1
7A	LEFT HANDPULSE TUBE ASSY. (Handgrip)	000551	1
7B	RIGHT HANDPULSE TUBE ASSY. (Handgrip)	000552	1
8	OUTER SLIDE		1
9	INNER SLIDE		1
10	2T LINK		1
11	~ 8 x30L LINK SHAFT		1
12	~ 8 x~ 12.7 x 11.5L SHAFT BUSHING		2
13	2T FASTENING BRACKET		2
14	~ 5 x~ 8 x 25L CLEVIS PIN		1
15	~ 5 x~ 8 x 9L FASTENING BUSHING		1
16	~ 1.0 DUAL ROTA-SPRING		1
17	CLENCHING HANDLE	000506	1
17	LOCKING CABLE ASSY.	000564	1
18	CHENCHING ROTA-SPRING	000865	1
19	CYLINDER - 1000N	023095	1
20	DRIVE BELT - 240J/610J	022553	1
21	FRONT ROLLER W/ PULLEY	000497	1
22	REAR ROLLER	000498	1
23	RUNNING DECK	000491	1
24	RUNNING BELT	000494	1
25	HANDGRIP FOAM	000550	2
26	MAGNET	000507	2
27	STEEL ROPE ROTA-SPRING	010026	1
28	WIRE CLAMP		1
29	WIRE TIE MOUNT	010083	6
30	LUBRICANT	022271	1
31	STEEL ROPE		1
32	TOP FRAME COVER	000574	1
33	BOTTOM FRAME COVER	000572	1
34	MOTOR, 3.5hp YC	000534	1
35	INCLINE MOTOR	022696	1
36	CONTROLLER Starting w/ Serial # 1037 = 022670 Alatech	000479 DCI	1
37	550 m/m SPEED CABLE	000517	1
38	550 m/m INCLINE CABLE	000516	1
39	HANDPULSE ASSY	022672	2
39~2	650 m/m HANDPULSE CABLE	022756	1
39~3	HANDPULSE ASSEMBLY TOP	022757	2
39~4	HANDPULSE ASSEMBLY BOTTOM	022758	2

39~5	HANDLE BAR END CAP	022759	2
40	SENSOR W/CABLE	022561	1
41	BREAKER	022448	1
42	POWER SOCKET	022658	1
43	ON / OFF SWITCH	022476	1
44	POWER CORD	022812	1
45	100mm x 764 x 764 CONNECTING CABLE(BLACK)		1
46	300mm x 764 x 764 CONNECTING CABLE (WHITE)		1
47	300mm x 764 x 764 CONNECTING CABLE(BLACK)		1
48	700 m/m COMPUTER CABLE (UPPER)	000520	1
49	1200 m/m COMPUTER CABLE (LOWER)	000576	1
50	1200 m/m COMPUTER CABLE (MIDDLE)	000575	1
51	1000m/m GROUND WIRE		1
52	CONSOLE Starting w/ Serial # 1037 = 000487 Alatech	000477 DCI	1
52~1	TOP CONSOLE COVER	000535	1
52~2	BOTTOM CONSOLE COVER	000470	1
52~3	FACE PLATE LENS	000528	1
52~12	FRONT CONSOLE COVER (TOP)	000569	1
52~13	FRONT CONSOLE COVER (BOTTOM)	000570	1
52~14	DEFLECTOR FAN GRILL	000509	2
52~15	FAN GRILL ANCHOR	000807	4
52~16	FAN MOTOR	000808	2
52~17	~ 12 x 5.5T PLASTIC WASHER		6
52~20	AUDIO CABLE	000565	1
52~21	SPEAKER	000568	2
52~23	700m/m RECEIVER CABLE (UPPER)		1
52~24	500m/m RECEIVER CABLE (LOWER)		1
52~32	FAN SWITCH	023099	1
53	FRONT MOTOR COVER	000508	1
54	TOP MOTOR COVER	000504	1
55	TOP MOTOR COVER PLATE	000524	1
56	SPEED ADJUSTMENT SWITCH W/CABLE	022558	1
57	INCLINE ADJUSTMENT SWITCH W/CABLE	022559	1
58	M8 x ~ 30 x 35 CUSHION (Softer Cushion - 030060)	022482	6
59	WHEEL(A)	022479	2
60	WHEEL(B)	000127	2
61	FOOT RAIL (ALUMINUM)	000530	2
62	~ 38 BUTTON HEAD END CAP	022024	2
63	FRAME BASE CAP (L)	000473	1
64	FRAME BASE CAP (R)	000474	1
65	PLASTIC PLATE OF FRAME BASE CAP (L)	000526	1
66	PLASTIC PLATE OF FRAME BASE CAP (R)	000527	1
67	LEFT HANDGRIP SIDE CAP (LL)	000480	1
68	LEFT HANDGRIP SIDE CAP (LR)	000465	1
69	RIGHT HANDGRIP SIDE CAP (RL)	000466	1
70	RIGHT HANDGRIP SIDE CAP (RR)	000483	1
71	REAR ADJUSTMENT BASE (L)	000468	1
72	REAR ADJUSTMENT BASE (R)	000469	1

73	FOOT RAIL CAP (L)	000603	1
74	FOOT RAIL CAP (R)	000604	1
75	MOTOR COVER ANCHOR	022484	2
76	~ 10 x ~ 24 x 3T NYLON WASHER (A)		2
77	~ 50 x ~ 13 x 3T NYLON WASHER (B)		4
78	~ 30 x 3/8" FOOT PAD	022713	2
79	NON-SLIP RUBBER(L)	000313	1
79A	NON-SLIP RUBBER		4
80	NON-SLIP RUBBER(R)	000314	1
81	SAFETY KEY	022497	1
82	BELT GUIDE	000595	2
83	~ 14 x ~ 10 x 35 WHEEL SLEEVE	023101	2
84	SENSOR RACK	022989	1
85	1/2" x 1-1/4" CARRIAGE BOLT		2
86	1/2" x 1" HEX HEAD SCREW		2
87	3/8" x 4-1/2" SOCKET HEAD CAP SCREW	000580	1
88	3/8" x 3-3/4" HEX HEAD SCREW		1
89	3/8" x 1-1/2" HEX HEAD SCREW	000062	1
90	3/8" x 1" HEX HEAD SCREW	000061	4
91	3/8" x 2" THUMB HEAD SOCKET SCREW	010119	2
92	5/16" x 1" BUTTON HEAD SOCKET SCREW	022389	2
93	5/16" x 2-3/4" BUTTON HEAD SOCKET SCREW		4
94	M8 x 60m/m HEX HEAD SCREW		1
95	M8 x 80m/m SOCKET HEAD CAP SCREW		2
96	M8 x 30m/m FLAT HEAD COUNTERSINK SCREW		8
97	M3 x 10m/m TAPPING SCREW	010115	1
98	M5 x 15m/m TAPPING SCREW		1
99	5/16" x 42 m/m BUTTON HEAD SOCKET SCREW		1
100	1/2" x 8T NYLON NUT	023102	4
101	3/8" x 7T NYLON NUT	000080	4
102	5/16" x 6T NYLON NUT	030039	3
103	M8 x 8T NYLON NUT		1
104	~ 35 x ~ 5/16" x 1.5T FLAT WASHER	010099	2
105	~ 25 x ~ 10 x 1.5T FLAT WASHER		4
106	~ 19 x ~ 10 x 1.5T FLAT WASHER		4
107	~ 5 x ~ 10 x 1.0T FLAT WASHER		2
108	~ 5/16" x ~ 18 x 1.5T FLAT WASHER	000077	1
109	~ 5 x ~ 12 x 1.0T FLAT WASHER		1
110	~ 6 x ~ 23 x 13 x 5.5T x 3T NYLON DISHED WASHER		4
111	M5 NYLON NUT		1
112	~ 6.5 x ~ 25 x 1.5T x 2.5H CONCAVE WASHER		4
113	~ 10 SPRING WASHER		4
114	M3 SPRING WASHER		1
115	M5 RAISED WASHER		5
116	4x12m/m SELF TAPPING SCREW	000070	4
117	5x16m/m TAPPING SCREW (Black)	010110	59
118	5x19m/m TAPPING SCREW	010125	1

119	3.5x12mm SELF TAPPING SCREW	010113	16
120	5 x 16m/m TAPPING SCREW (Plated)	010150	11
122	~ 4 x ~ 14 x 1.0T FLAT WASHER	000915	6
123	3.5x25 m/m SELF TAPPING SCREW	022847	3
124	3x10 m/m TAPPING SCREW	010115	4
125	4x38m/m SELF TAPPING SCREW	000325	2
126	3.5 x 16 m/m TAPPING SCREW		6
127	3 x 10 m/m SELF TAPPING SCREW	010115	2
128	3/8" x 6.5T NUT (for Foot Pad)	010125	3
129	M3 NUT		1
130	3.5 x 32m/m SELF TAPPING SCREW	000914	10
131	M5 IRON PLATE NUT	010109	6
132	2.3 x 6m/m SELF TAPPING SCREW	023015	43
133	3x 8m/m SELF TAPPING SCREW		6
134	5/16" x 2" BUTTON HEAD SOCKET SCREW		4
135	3.5x40 m/m SELF TAPPING SCREW	000462	6
137	5/16" x 1-1/2" BUTTON HEAD SOCKET SCREW	000064	2
138	5/16" x 15m/m BUTTON HEAD SOCKET SCREW	022707	8
139	~ 8 x 23 x 1.5T FLAT WASHER		4
140	~ 8 x 23 x 1.5T CURVED WASHER	000074	4
141	COMBINATION M5 ALLEN WRENCH & SCREWDRIVER	000089	1
142	M6 ALLEN WRENCH	022973	1
144	3.5x 6m/m SELF TAPPING SCREW		2
145	~ 8 RAISED WASHER		4
	HEART RATE RECEIVER BOARD	000476	1
	PULSE GRIP BOARD (HANDPULSE)	000945	1
	CONSOLE STICKER	000463	1
	HARDWARE KIT	000567	1
	DECAL (SIDE)	000512	
	OVERLAY	000513	1



XT 800_A82-1 Parts List

NO.	DESCRIPTION	PART #	O'TY
1	MAIN FRAME		1
2	INCLINE BRACKET	000562	1
3	HANDRAIL SUPPORT	000556	1
4	RIGHT HANDRAIL	000486	1
5	LEFT HANDRAIL	000485	1
6	CONSOLE SUPPORT	000898	1
7	HANDPULSE TUBE ONLY (ASSY. = 000923)	000472	1
8A	RIGHT HANDGRIP ASSY.	000890	1
8B	LEFT HANDGRIP ASSY.	000891	1
9	DECK CROSS BRACE	000460	1
10	FRONT ROLLER W/ PULLEY	000499	1
11	REAR ROLLER	000500	1
12	RUNNING DECK	000492	1
13	RUNNING BELT	000495	1
14	HANDGRIP FOAM	000553	2
15	NON-SLIP RUBBER(L)	000313	1
16	NON-SLIP RUBBER(R)	000314	1
17	WIRE TIE MOUNT	010083	5
18	LUBRICANT	022271	1
19	TOP FRAME COVER	000573	1
20	MOTOR, 3.5hp YC	000534	1
21	INCLINE MOTOR	022696	1
22	CONTROLLER Starting w/ Serial #1003 = 022282	000479 DCI	1
23	SENSOR W/CABLE	022561	1
24	BREAKER	022448	1
25	POWER SOCKET	022658	1
26	ON / OFF SWITCH	022476	1
27	POWER CORD	022812	1
28	100mm x 764 x 764_CONNECTING CABLE (BLACK)		1
29	150mm x 764 x 764_CONNECTING CABLE (WHITE)		1
30	150mm x 764 x 764_CONNECTING CABLE (BLACK)		1
31	800 m/m_COMPUTER CABLE (UPPER)	022720	1
32	800m/m_COMPUTER CABLE (LOWER)	000503	1
33	1200 m/m_COMPUTER CABLE (MIDDLE)	000575	1
34	800 m/m_SPEED CABLE (UPPER)	022754	1
35	800 m/m_INCLINE CABLE (UPPER)	022755	1
36	DRIVE BELT, 240J/610J	022553	1
37	CONSOLE Starting w/ Serial # 1003 = 000442 Alatach	000471 DCI	1
37~1	TOP CONSOLE COVER	000535	1
37~2	BOTTOM CONSOLE COVER	000470	1
37~3	FACE PALTE LEANS	000529	1
37~12	FRONT CONSOLE COVER (TOP)	000569	1
37~13	FRONT CONSOLE COVER (BOTTOM)	000570	1
37~14	DEFLECTOR FAN GRILL	000509	2
37~15	FAN GRILL ANCHOR	000807	4
37~16	FAN MOTOR	000808	2

37~17	ROUND END CAP	000515	2
37~18	PLASTIC WASHER		6
37~19	AUDIO CABLE	000565	1
37~20	SPEAKER	022946	2
37-21	HEART RATE RECEIVER CABLE	000484	
37~30	FAN SWITCH	023099	1
38	SPEED ADJUSTMENT SWITCH W/CABLE	022558	1
39	INCLINE ADJUSTMENT SWITCH W/CABLE	022559	1
40	MOTOR BASE CAP (L)	000544	1
41	MOTOR BASE CAP (R)	000545	1
42	MAGNET	000507	2
43	M8 x ~ 30 x 35 CUSHION (Softer Cushion - 030060)	022482	6
44	~ 81 x35_WHEEL	023016	4
45	TOP MOTOR COVER	000505	1
46	MOTOR COVER ANCHOR	000922	2
47	FOOT RAIL	000532	2
48	BEVERAGE HOLDER	000455	1
49	~ 38 BUTTON HEAD END CAP	022024	2
50	HANDPULSE W/CABLE ASSY.	000518	2
50~1	700 m/m HANDPULSE CABLE	023212	1
50~2	HANDPULSE ASSEMBLY TOP		2
50~3	HANDPULSE ASSEMBLY BOTTOM		2
51	FRAME FRONT COVER	000519	1
52	LEFT HANDGRIP SIDE CAP (LL)	000480	1
53	LEFT HANDGRIP SIDE CAP (LR)	000481	1
54	RIGHT HANDGRIP SIDE CAP (RL)	000482	1
55	RIGHT HANDGRIP SIDE CAP (RR)	000483	1
56	%25x50_SQUARE END CAP	000630	4
58	~ 24 x ~ 10 x 3T_NYLON WASHER (A)		2
59	~ 50 x ~ 13 x 3T_NYLON WASHER (B)		4
60	~ 38 x 3/8" _FOOT PAD	000549	2
61	REAR ADJUSTMENT BASE (L)	000522	1
62	REAR ADJUSTMENT BASE (R)	000521	1
63	SAFETY KEY	022497	1
64	BELT GUIDE	000595	2
65	1/2" x 57m/m_HEX HEAD SCREW		2
66	3/8" x 4-1/2" _SOCKET HEAD CAP SCREW	000580	1
67	3/8" x 4" _SOCKET HEAD CAP SCREW		1
68	3/8" x 1-3/4" _HEX HEAD SCREW	020349	1
69	M8 x 60m/m _HEX HEAD SCREW		1
70	M8 x 80m/m _SOCKET HEAD CAP SCREW		2
71	M8 x 50m/m_FLAT HEAD COUNTERSINK SCREW		2
72	M8 x 30m/m_FLAT HEAD COUNTERSINK SCREW		6
73	3/8" x 3/4" _BUTTON HEAD SOCKET SCREW	022999	4
74	3/8" x 1" _HEX HEAD SCREW	000061	4
75	1/2" x 15T_NYLON NUT		2
76	3/8" x 7T_NYLON NUT	000080	2
77	M8_NYLON NUT		1

78	~ 19 x ~ 10 x 1.5T_FLAT WASHER		6
79	~ 25 x ~ 10 x 1.5T_FLAT WASHER		4
80	~ 4 x ~ 14 x 1T_FLAT WASHER		6
81	3x8 m/m_SELF TAPPING SCREW		6
82	M5_RAISED WASHER		4
83	~ 5 x 25 x 1.5T x 5.8H_CONCAVE WASHER		6
84	M5_IRON PLATE NUT	010109	6
85	~ 10 x 1.5T_SPRING WASHER		4
86	5 x 19 m/m_TAPPING SCREW	030057	1
87	5 x 16 m/m_TAPPING SCREW	010110	35
88	4x12 m/m_SELF TAPPING SCREW	000070	4
89	3.5x12 m/m_SELF TAPPING SCREW	010113	16
90	3.5x32 m/m_SELF TAPPING SCREW	000914	10
91	~ 6.5 x ~ 25 x 1.5T x 2.5H_CONCAVE WASHER		2
92	5x16 m/m_TAPPING SCREW	010150	11
93	3x20 m/m_TAPPING SCREW		4
94	4x38 m/m_SELF TAPPING SCREW	000325	2
95	3x10 m/m_SELF TAPPING SCREW	023082	2
96	3.5 x 16m/m_TAPPING SCREW	022979	5
97	3.5 x 25m/m_SELF TAPPING SCREW	022847	3
98	3/8"_ NUT		3
99	2.3x6 m/m_SELF TAPPING SCREW	023105	43
100	SENSOR RACK	022989	1
101	5/16" x 2"_BUTTON HEAD SOCKET SCREW	010092	4
102	5/16" x 15m/m_BUTTON HEAD SOCKET SCREW	022707	10
103	3/8" x 2"_BUTTON HEAD SOCKET SCREW	023090	2
104	5/16" x 1-3/4"_BUTTON HEAD SOCKET SCREW	000086	4
105	5/16" x 2-3/4"_HEX HEAD SCREW		2
106	5/16" x 1-1/2"_BUTTON HEAD SOCKET SCREW	000064	2
107	3.5 x 40m/m_SELF TAPPING SCREW	000462	6
108	3/8" x 2T_SPRING WASHER	000053	2
109	~ 8 x ~ 23 x 1.5T_SPRING WASHER		4
110	~ 8 x ~ 23 x 1.5T_CURVED WASHER		8
111	COMBINATION M5 ALLEN WRENCH & SCREWDRIVER	000089	1
112	M6_ALLEN WRENCH	022973	1
113	12m/m_WRENCH	000342	1
114	~ 1" x 440 m/m x 5T_FOAM(A)		1
115	~ 1" x 360 m/m x 5T_FOAM(B)		2
116	MOTOR FAN	000876	1
117	M4 x 35m/m_TAPPING SCREW		2
118	M4 x 5T_NYLON NUT		2
119	~ 1"_ ROUND END CAP		2
120	~ 5 x ~ 10 x 1T_FLAT WASHER		6
121	~ 8_RAISED WASHER		2
122	~ 10_RAISED WASHER		2
123	250m/m_BLACK CONNECTING CABLE OF MOTOR FAN	000637	1
124	250m/m_WHITE CONNECTING CABLE OF MOTOR FAN	000638	1
125	CONNECTING CABLE OF MOTOR		1

126	BOLT ACCESS CAP		2
	HEART RATE RECEIVER BOARD	000476	1
	PULSE GRIP BOARD (HANDPULSE)	000945	1
	CONSOLE STICKER	000463	1
	HARDWARE KIT	000451	1
	OVERLAY	000513	1
	DECAL (SIDE)	000514	2